

# PAR20 Series

Cree Professional Series LED Lamps

PRO  
SERIES

## Product Description

At Cree®, we believe in better lighting. Better light is beautiful light. But it's more than just beautiful. It is light that makes you feel more productive, more relaxed and safer. Better light changes everything. That's why the new and improved 90+ CRI Cree Professional Series LED bulbs feature high color rendering that enhances your space and makes the colors of your decor appear vibrant, richer and more natural –true colors the way they are meant to be experienced.

The Cree Professional Series PAR20 LED bulb is a higher lumen solution ideal for use indoors in a track or recessed can, or outdoors in security or landscaping lighting. Delivering up to 550 lumens of 2700K, 3000K, and 4000K light while using just 7 watts, the Cree PAR20 LED bulb is available in 15°, 25°, 40° beam angles. Commercial grade, these lamps are fully dimmable and designed to last 50,000 hours.

## Performance Summary

**Beam Spreads:** 15° Spot, 25° Narrow Flood, 40° Flood

**Lamp Delivered Light Output:** 2700K: 530 Lumens, 3000K/4000L: 550 Lumens

**Input Power:** 7 watts (50W equivalent)

**CRI:** >90

**CCT:** 2700K, 3000K, 4000K (40° Flood Only)

**Limited Warranty\*:** 5 years Commercial use

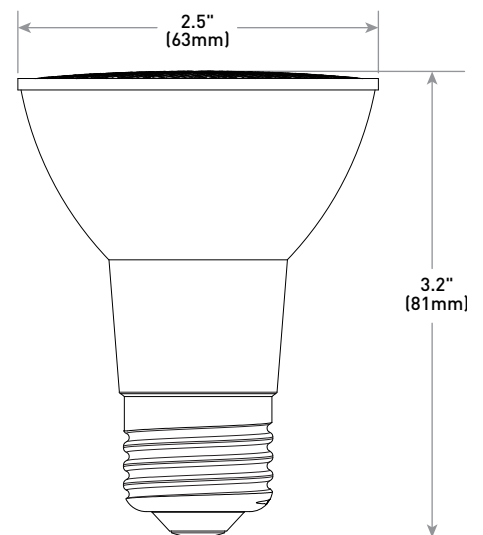
**Lifetime:** Designed to last at least 50,000 hours

**Dimming:** Dimmable to 5% with select dimmers

ENERGY STAR® Certified (May 2019), CEC California Title 20 Compliant

Can be ordered in Single Lamp Cartons (Master Carton Quantity = 24), (May 2019)

\* See <http://lighting.cree.com/warranty> for warranty terms



## Ordering Information

Example: PAR20-50W-P1-27K-40FL-E26-U1

PAR20	50	P1				E26		U1
Product	Watt Equivalent	Series	CCT	Beam Spread	Voltage	Base	CRI	Packaging Options
PAR20	50W 50 Watt, 530-550 Lumens CBCP = 15°: 6,600 - 6,250 Candelas 25°: 3,200 - 3,500 Candelas 40°: 1,100 - 3,000 Candelas	P1 Professional Series 1 <sup>st</sup> Generation	27K 2700K 30K 3000K 40K 4000K (40° Flood Only)	15SP 15° Spot 25NF 25° Narrow Flood 40FL 40° Flood	Blank 120 Volt	E26 Edison Base	Blank >90 CRI	U1 Single-Lamp Carton Master Carton = 24 Single-Lamp Cartons

Rev. Date: V2 05/09/2019



## PAR20 Pro Series LED Lamps

### Product Specifications

#### CONSTRUCTION & MATERIALS

- PAR20 design weighs 2.8 ounces (80g)
- E26 Medium standard screw type base
- Bulb meets ANSI standards for PAR20 dimensions
- Mercury free
- **Dimensions:** 3.6" H x 2.6" W x 2.6" D (Single Lamp Carton); 7.1" H x 10.6" W x 7.9" D (Master Carton)

#### ELECTRICAL SYSTEM

- **Power Factor:** > 0.9 nominal
- **Input Voltage:** 120V, 60Hz
- **Dimming:** Dimmable to 5% with select dimmers. Refer to [lighting.cree.com/dimming](http://lighting.cree.com/dimming) for additional details
- **Operating Temperature Range:** -25°C - +45°C (-13°F - +113°F)

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for damp locations, but not for use where exposed directly to weather or water
- Suitable for use in enclosed light fixtures. Lifetime may be reduced if used in air tight enclosures or in insulated ceiling air tight (ICAT) recessed downlight enclosures
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- ENERGY STAR® Certified: Expected May 2019
- RoHS compliant. Consult factory for additional details
- CEC California Title 20 Compliant
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Ordering Number	Single-Lamp Carton UPC	Description	Bulb Type	Watts	CCT	Single-Lamp Cartons per Master Carton	Master Carton ITF-14	Total Lamps per Master Carton	Master Cartons per Pallet Qty	CRI	Lumens	CBCP	Rated Life (Hrs)
PAR20-50W-P1-27K-40FL-E26-U1	849665026358	50W Soft White, 40° Flood, PAR20 Equivalent™	PAR20	7	2700K	24	10849665026355	24	116	>90	530	1,100	50,000
PAR20-50W-P1-27K-25NF-E26-U1	849665026365	50W Soft White, 25° Narrow Flood, PAR20 Equivalent™	PAR20	7	2700K	24	10849665026362	24	116	>90	530	3,200	50,000
PAR20-50W-P1-27K-15SP-E26-U1	849665026372	50W Soft White, 15° Spot, PAR20 Equivalent	PAR20	7	2700K	24	10849665026379	24	116	>90	530	6,000	50,000
PAR20-50W-P1-30K-40FL-E26-U1	849665026389	50W Bright White, 40° Flood, PAR20 Equivalent	PAR20	7	3000K	24	10849665026386	24	116	>90	550	1,200	50,000
PAR20-50W-P1-30K-25NF-E26-U1	849665026396	50W Bright White, 25° Narrow Flood, PAR20 Equivalent	PAR20	7	3000K	24	10849665026393	24	116	>90	550	3,500	50,000
PAR20-50W-P1-30K-15SP-E26-U1	849665026402	50W Bright White, 15° Spot, PAR20 Equivalent	PAR20	7	3000K	24	10849665026409	24	116	>90	550	6,250	50,000
PAR20-50W-P1-40K-40FL-E26-U1	849665026419	50W Daylight, 40° Flood, PAR20 Equivalent	PAR20	7	4000K	24	10849665026416	24	116	>90	550	1,300	50,000